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Title: JP7195224A2: END MILL

Derwent Title: End mill for milling machine - cuts part to vary rate of change of blade thickness and has point on which shape of cut part changes from concave to convex form from tool point to blade tool former part [\[Derwent Record\]](#)

Country: JP Japan

Kind: A

Inventor: SAKAMOTO YASUSHI;
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Application Number: JP1993000349968

IPC Code: [B23C 5/10;](#)

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Priority Number: 1993-12-28 JP1993000349968

Abstract: PURPOSE: To provide an end mill having high-performance and high-rigidity, even both in gash-cutting and in counterboring work, by enhancing the rigidity of the end mill, and improving the dischargeability of chips.

CONSTITUTION: The core thickness of the edge root part of the tool at the outer circumferential edge part is set to be larger than that of the tool end part, and the portion where the change rate of the core thickness in the axial direction of the tool changes is provided at least at one place except the end gash part 3 and the cut-up part 4, and also at least one pair of inflection points is provided, where the shape of the changing points of the portion is changed in the order of concave to convex from the end toward the edge root of the tool. Thus, the rigidity is enhanced, and the dischargeability of chips is improved, and high-performance and high-efficiency working can be enabled in various cutting work.

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Family: None

Other Abstract Info: DERABS G1995-298518 DERABS G1995-298518



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